EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1992	514/381	US-PGPUB; USPAT	OR	OFF	2007/06/15 11:01
L2	1331	514/570	US-PGPUB; USPAT	OR	OFF	2007/06/15 11:01
L3	380	548/250	US-PGPUB; USPAT	OR	OFF	2007/06/15 11:01
L4	191	562/468	US-PGPUB; USPAT	OR	OFF	2007/06/15 11:01

Access DB# _____

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Robert (Bert) Shaw Examiner #: 79521 Date: 5/14/07
Art Unit: 1626 Phone Number 308-0707 Serial Number: 10/524,704
Mail Box and Bldg/Room Location: RGM 5A10 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

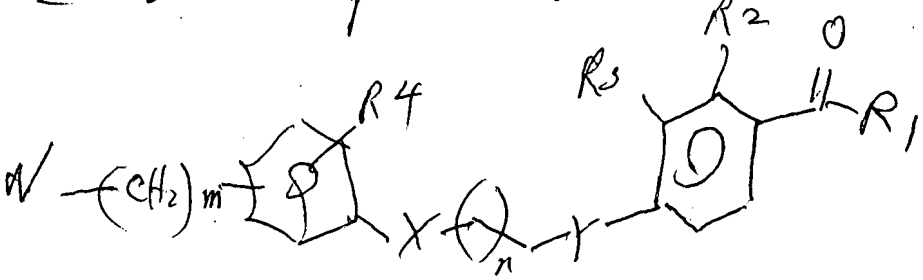
Title of Invention: Aatpherone pctn

Inventors (please provide full names): Cube et al

Earliest Priority Filing Date: _____

***For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.**

1 SrN cpd I (see claim 1)



* R1 ~ R4 are sub
* W is tetrazole, CO2H, NHSO2 alkyl or CONHCO-alkyl
* X is O, S, N or a bond
* Y is O or S
* m, n is 0 ~ 6

1 Srch methods of use of cpd I (see claim 16~22)

****

STAFF USE ONLY

Searcher: _____

Searcher Phone #: _____

Type of Search

NA Sequence (#)_____

AA Sequence (#)_____

Vendors and cost where applicable

STN _____

Dialog _____

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=> => d que stat l24
L6                SCR 464
L7                SCR 1518
L8                SCR 1470
L9                SCR 1839
L10               SCR 2043
L12               SCR 1146
L19               SCR 1803
L21               STR
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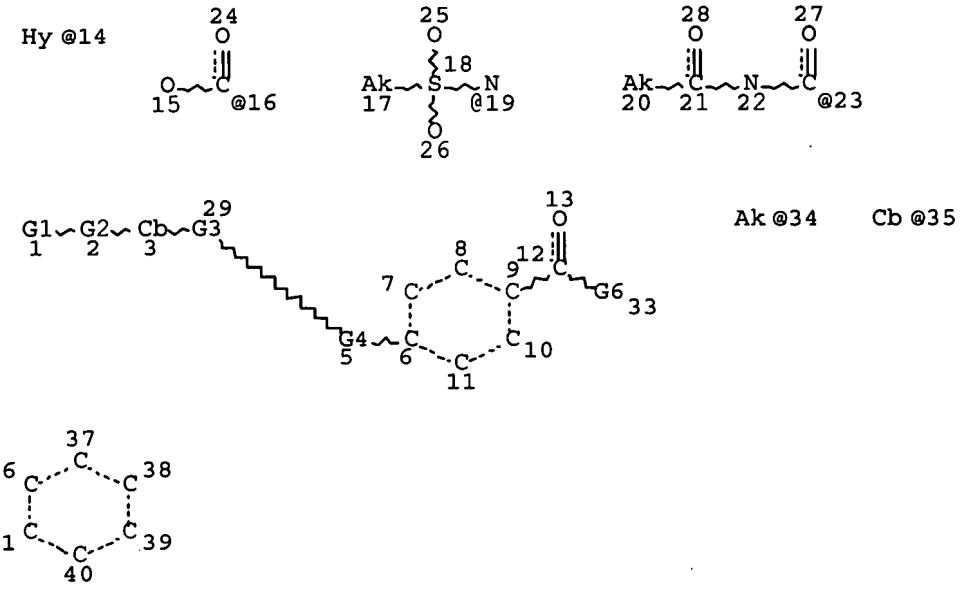


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REP G3=(0-15) A
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VAR G6=34/35/36
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DEFAULT MLEVEL IS ATOM
GGCAT   IS UNS  AT   3
GGCAT   IS UNS  AT  14
GGCAT   IS SAT  AT  35
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M6 C  AT   3
ECOUNT  IS E1 C  E4 N  E0 O  E0 P  E0 S  E0 Si  AT  14
ECOUNT  IS M1-X6 C  AT  17
ECOUNT  IS M1-X6 C  AT  20
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ECOUNT  IS M3-X7 C  AT  35

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  37

STEREO ATTRIBUTES: NONE
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                 AND L12) NOT L10) AND L21)
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100.0% PROCESSED 502494 ITERATIONS 621 ANSWERS
SEARCH TIME: 00.00.10

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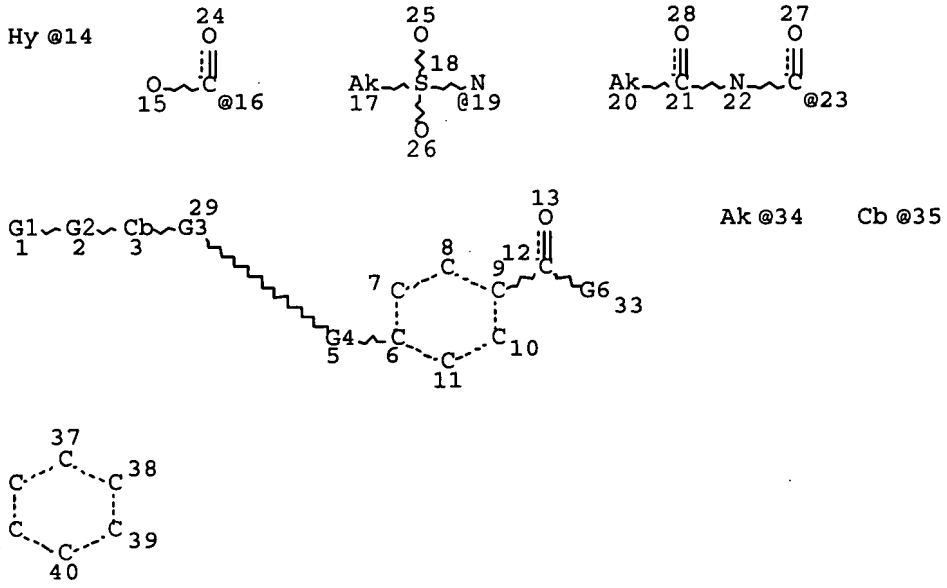
L8 SCR 1470
L9 SCR 1839
L10 SCR 2043
L12 SCR 1146
L19 SCR 1803
L21 STR



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REP G2=(0-6) CH2
REP G3=(0-15) A
VAR G4=O/S
VAR G6=34/35/36
NODE ATTRIBUTES:
CONNECT IS E1 RC AT 15
DEFAULT MLEVEL IS ATOM
GGCAT IS UNS AT 3
GGCAT IS UNS AT 14
GGCAT IS SAT AT 35
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M6 C AT 3
ECOUNT IS E1 C E4 N E0 O E0 P E0 S E0 Si AT 14
ECOUNT IS M1-X6 C AT 17
ECOUNT IS M1-X6 C AT 20
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ECOUNT IS M3-X7 C AT 35

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 37

STEREO ATTRIBUTES: NONE
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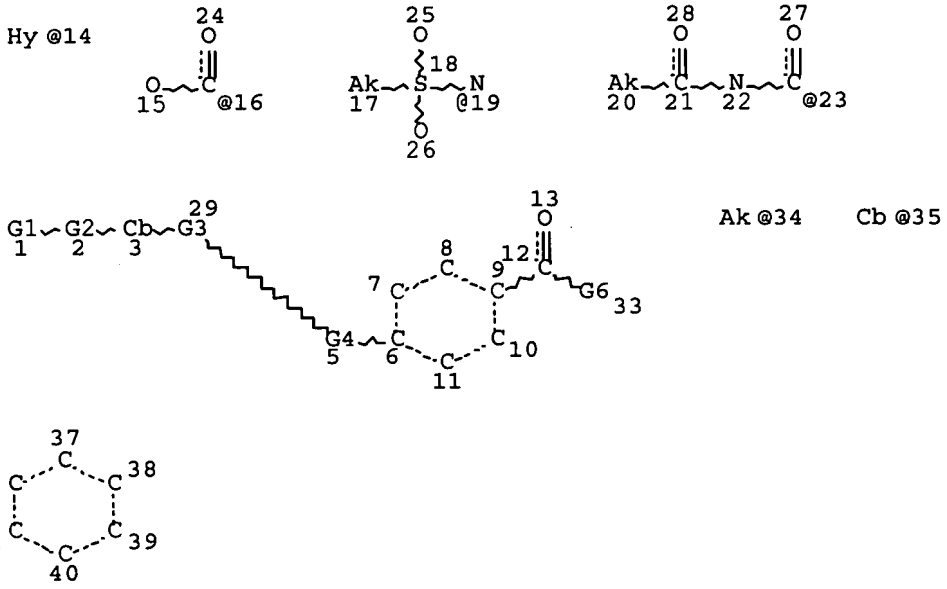

VAR G1=14/16/19/23
REP G2=(0-6) CH2
REP G3=(0-15) A
VAR G4=O/S
VAR G6=34/35/36
NODE ATTRIBUTES:
CONNECT IS E1 RC AT 15
DEFAULT MLEVEL IS ATOM
GGCAT IS UNS AT 3
GGCAT IS UNS AT 14
GGCAT IS SAT AT 35
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT 3
ECOUNT IS E1 C E4 N E0 O E0 P E0 S E0 Si AT 14
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GRAPH ATTRIBUTES:
RSPEC 6
NUMBER OF NODES IS 37

STEREO ATTRIBUTES: NONE
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100.0% PROCESSED 621 ITERATIONS 575 ANSWERS
SEARCH TIME: 00.00.01

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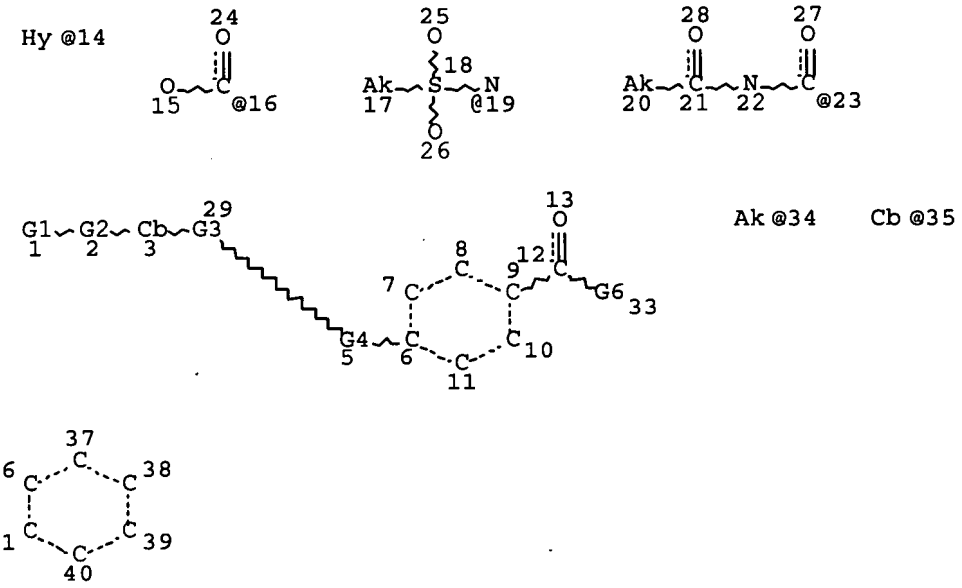


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VAR G1=14/16/19/23
REP G2=(0-6) CH2
REP G3=(0-15) A
VAR G4=O/S
VAR G6=34/35/36
NODE ATTRIBUTES:
CONNECT IS E1  RC AT  15
DEFAULT MLEVEL IS ATOM
GGCAT   IS UNS  AT   3
GGCAT   IS UNS  AT  14
GGCAT   IS SAT  AT  35
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M6 C  AT   3
ECOUNT  IS E1 C  E4 N  E0 O  E0 P  E0 S  E0 Si  AT  14
ECOUNT  IS M1-X6 C  AT  17
ECOUNT  IS M1-X6 C  AT  20
ECOUNT  IS X6 C  AT  34
ECOUNT  IS M3-X7 C  AT  35

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  37

STEREO ATTRIBUTES: NONE
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                 AND L12) NOT L10) AND L21)
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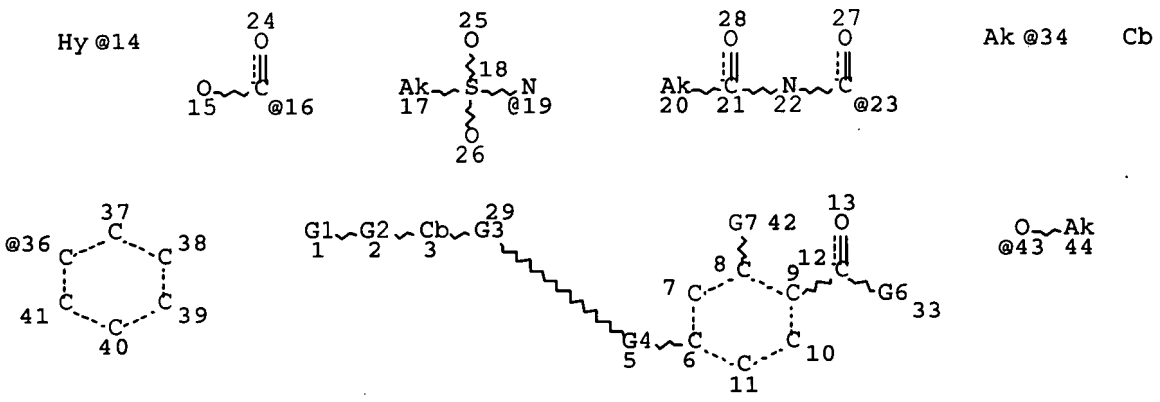
L43 STR



Page 1-A

@35

Page 1-B

VAR G1=14/16/19/23
REP G2=(0-6) CH2
REP G3=(0-15) A
VAR G4=O/S
VAR G6=34/35/36
VAR G7=OH/X/43/45
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CONNECT IS E1 RC AT 15
DEFAULT MLEVEL IS ATOM
GGCAT IS UNS AT 3
GGCAT IS UNS AT 14
GGCAT IS SAT AT 35
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS E6 C AT 3
ECOUNT IS E1 C E4 N E0 O E0 P E0 S E0 Si AT 14
ECOUNT IS M1-X6 C AT 17
ECOUNT IS M1-X6 C AT 20
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ECOUNT IS X6 C AT 44
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GRAPH ATTRIBUTES:
RSPEC 6
NUMBER OF NODES IS 41

STEREO ATTRIBUTES: NONE
L45 332 SEA FILE=REGISTRY SUB=L24 SSS FUL L43

100.0% PROCESSED 621 ITERATIONS 332 ANSWERS
SEARCH TIME: 00.00.01

1: Curr Opin Investig Drugs. 2001 Aug;2(8):1112-9.

Links

Glutamate receptor ligands as anxiolytics.

Chojnacka-Wójcik E, **Kłodzinska A**, **Pilc A**.

Institute of Pharmacology, Polish Academy of Sciences, Krakow, Smetna. wojcik@if-pan.krakow.pl

The glutamatergic system has received considerable attention over recent years as a potential target for anxiolytic drugs. In spite of the pronounced anxiolytic-like effects of competitive and non-competitive antagonists of NMDA receptors in animal models of anxiety, these substances can not be regarded as potential anxiolytic drugs, mainly due to their side-effect profiles (eg, ataxia, myorelaxation, impairment of learning and memory processes and psychotomimetic effects). Antagonists and partial agonists of the glycine, receptor inhibit function of the NMDA receptor complex and evoke in animals an anxiolytic-like response. Although data concerning anti-anxiety-like effects of glycine, receptor antagonists are not very promising, studies are underway to develop new, brain-penetrating agents devoid of side effects. Further developments are necessary to more fully elucidate the possible involvement of AMPA/kainate receptors in anxiety. The recent discovery of metabotropic glutamate receptors, which modulate the function of the glutamatergic system, offers new hope for discovery of a new generation of anxiolytics. MPEP, a highly selective, brain penetrable, noncompetitive mGlu5 receptor antagonist, evokes anxiolytic-like effects in several animal models of anxiety, remaining remarkably free of side effects. LY-354740, a selective brain-penetrable group II mGlu receptor agonist, evokes marked anxiolytic-like effects in animal models of anxiety. LY-354740 causes mild sedation in mice, does not disturb motor coordination and has no potential to cause dependence. Therefore mGlu receptor ligands may become the anxiolytics of the future, free from the side effects characteristic of benzodiazepines.

PMID: 11892923 [PubMed - indexed for MEDLINE]

L94 ANSWER 27 OF 29 USPATFULL on STN

ACCESSION NUMBER: 2000:12845 USPATFULL Full-text

TITLE: Method of treating diabetes and related disease states

INVENTOR(S): Doebber, Thomas W., Scotch Plains, NJ, United States
Berger, Joel P., Hoboken, NJ, United States
Berger, Gregory D., Groton, CT, United States
Leibowitz, Mark D., San Diego, CA, United States
Moller, David E., Bedminster, NJ, United States
Olson, John T., Dayton, NJ, United States
Patchett, Arthur A., Westfield, NJ, United States
Toupence, Richard B., Chicago, IL, United States

PATENT ASSIGNEE(S): **Merck & Co., Inc.**, Rahway, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6020382		20000201	
	WO 9727847		19970807	
APPLICATION INFO.:	US 1999-117654		19990104	(9)
	WO 1997-US1875		19970131	
			19990104	PCT 371 date
			19990104	PCT 102(e) date

RELATED APPLN. INFO.: Division of Ser. No. WO 1997-US1875, filed on 31 Jan 1997

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-11025P	19960202 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Criares, Theodore J.
LEGAL REPRESENTATIVE: McGinnis, James L., Rose, David L., Billups, Richard C.
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 1423
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The instant invention is concerned with acetylphenols which are useful as antiobesity and antidiabetic compounds. Compositions and methods for the use of the compounds in the treatment of diabetes and obesity and for lowering or modulating triglyceride levels and cholesterol levels or raising high density lipoprotein levels or for increasing gut motility or for treating atherosclerosis are also disclosed.

IT **194791-55-4P** **194791-57-6P** **194791-61-2P**
194791-76-9P **194791-91-8P** **194791-92-9P**
194791-93-0P **194791-95-2P** **194791-98-5P**
194792-00-2P **194792-01-3P** **194792-02-4P**
194792-03-5P **194792-11-5P** **194793-07-2P**
(preparation of (phenoxypropylthio)phenylacetates and related compds. as antiobesity, antiatherosclerotic, and antidiabetic agents)

RN 194791-55-4 USPATFULL

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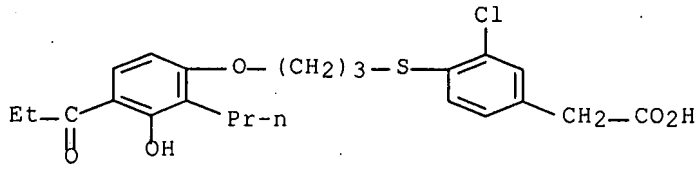

RN 194791-57-6 USPATFULL
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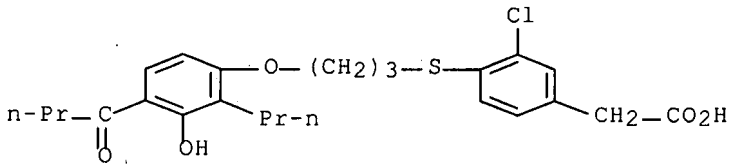

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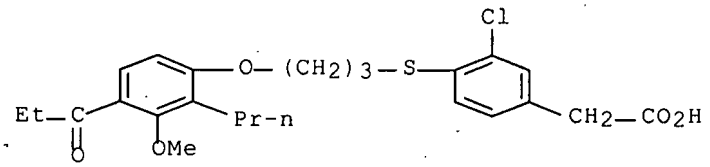

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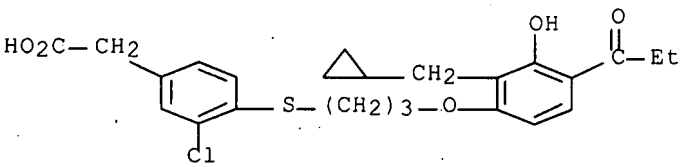

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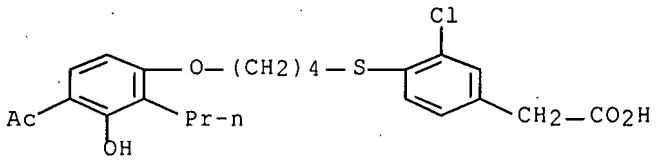

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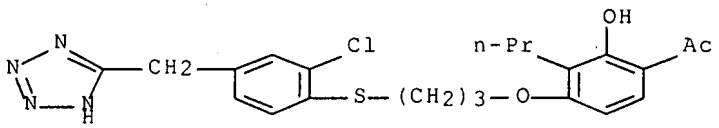

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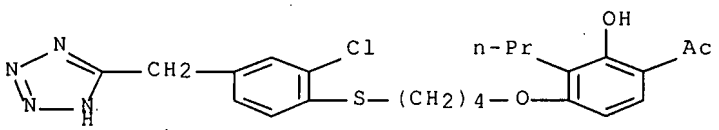

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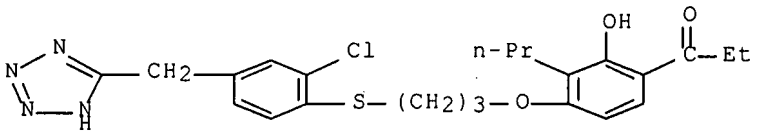

RN 194791-98-5 USPATFULL
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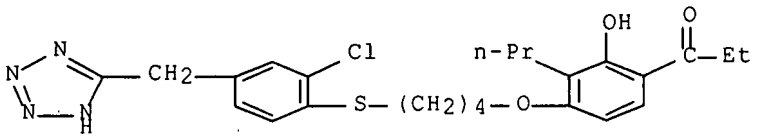

RN 194792-00-2 USPATFULL
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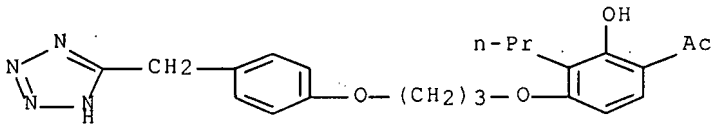

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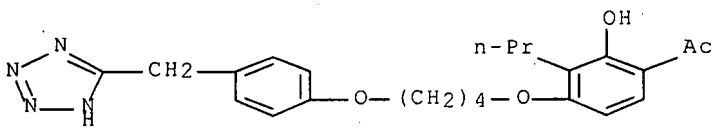

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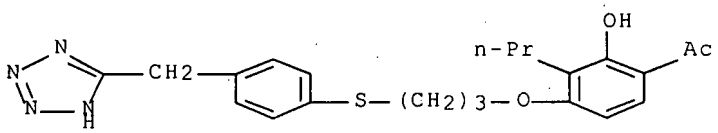

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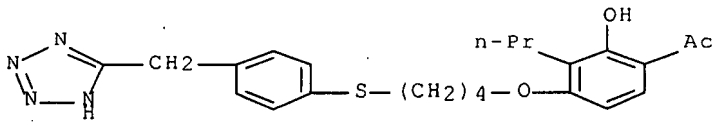

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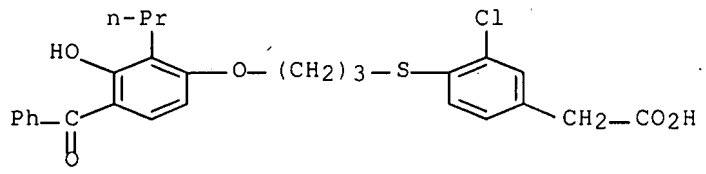

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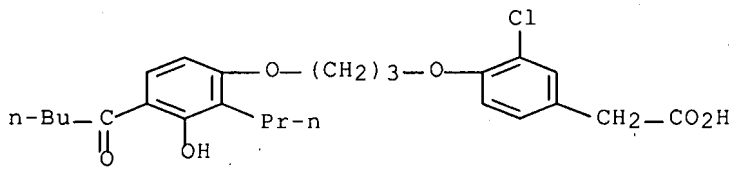
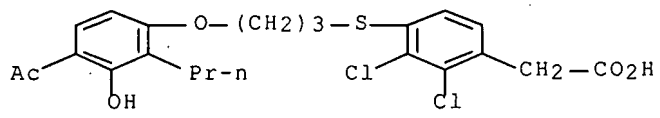


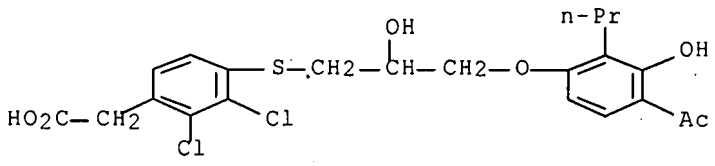
L94 ANSWER 2 OF 29 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 2
ACCESSION NUMBER: 1998:788753 HCAPLUS Full-text
DOCUMENT NUMBER: 130:47486
TITLE: Method of treating diabetes and related disease states
INVENTOR(S): Doebber, Thomas W.; Berger, Joel P.; Berger, Gregory D.; Leibowitz, Mark D.; Moller, David E.; Olson, John T.; Patchett, Arthur A.; Toupence, Richard B.
PATENT ASSIGNEE(S): **Merck and Co., Inc., USA**
SOURCE: U.S., 20 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5847008	A	19981208	US 1997-797649	19970131
PRIORITY APPLN. INFO.:			US 1997-797649	19970131

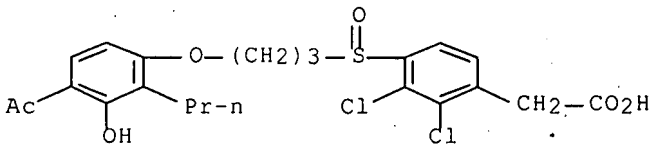
OTHER SOURCE(S): MARPAT 130:47486
ED Entered STN: 16 Dec 1998
AB The instant invention is concerned with acetylphenols which are useful as antiobesity and antidiabetic compds. Compns. and methods for the use of the compds. in the treatment of diabetes and obesity and for lowering or modulating triglyceride levels and cholesterol levels or raising high d. lipoprotein levels or for increasing gut motility or for treating atherosclerosis are also disclosed. The compds. of this invention may be used in combination with a sulfonylurea, fibrate, HMG-CoA reductase inhibitor, β-sitosterol inhibitor, cholesterol acyltransferase inhibitor, biguanides, cholestyramine, angiotensin II antagonist, melinamide, nicotinic acid, fibrinogen receptor antagonists, aspirin, α-glucosidase inhibitors, insulin secretagogue or insulin. The preparation of 4-(3-(4-acetyl-3-hydroxy-2-propylphenoxy)propylthio)-2,3- dichlorobenzeneacetic acid is presented.
IT **91361-47-6P** **91361-49-8P** **91361-51-2P**
91361-53-4P **91361-55-6P** **91361-57-8P**
91361-64-7P **91361-67-0P** **91362-27-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(acetylphenols for treating diabetes and related diseases)
RN 91361-47-6 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]thio]-2,3-dichloro- (9CI) (CA INDEX NAME)



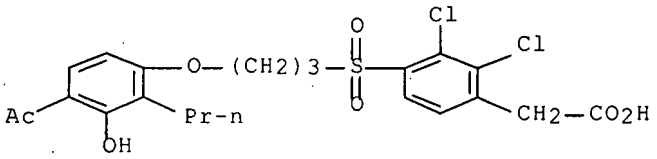
RN 91361-49-8 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]-2,3-dichloro- (9CI) (CA INDEX NAME)



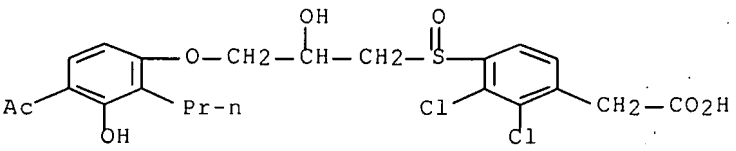
RN 91361-51-2 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]sulfinyl]-2,3-dichloro- (9CI) (CA INDEX NAME)



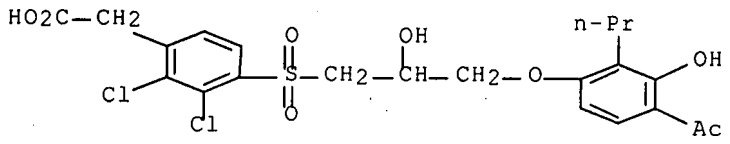
RN 91361-53-4 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]sulfonyl]-2,3-dichloro- (9CI) (CA INDEX NAME)



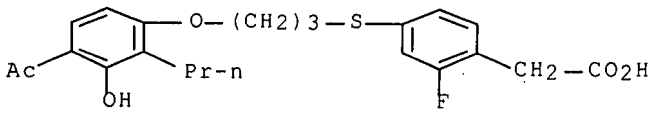
RN 91361-55-6 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]sulfinyl]-2,3-dichloro- (9CI) (CA INDEX NAME)



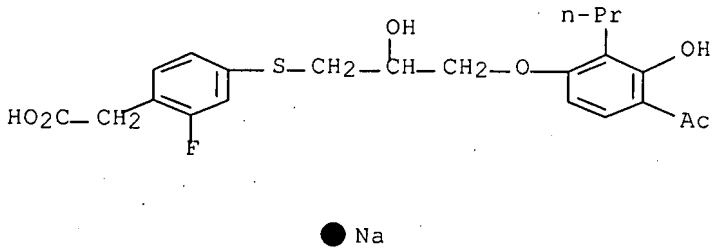
RN 91361-57-8 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]sulfonyl]-2,3-dichloro- (9CI) (CA INDEX NAME)



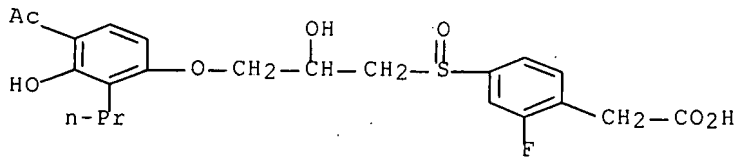
RN 91361-64-7 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]thio]-2-fluoro- (9CI) (CA INDEX NAME)



RN 91361-67-0 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]-2-fluoro-, monosodium salt (9CI) (CA INDEX NAME)



RN 91362-27-5 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]sulfinyl]-2-fluoro- (9CI) (CA INDEX NAME)



IT 91361-69-2 91361-70-5 91361-75-0
91361-77-2 91361-81-8 91361-83-0
91361-85-2 91361-87-4 91361-89-6
91361-91-0 91361-94-3 91361-96-5
91361-99-8 91362-01-5 91362-05-9

8

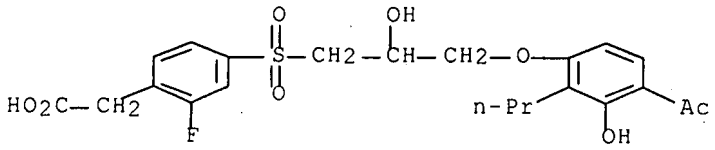
91362-09-3 91362-13-9 91362-15-1 91362-18-4

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(acetylphenols for treating diabetes and related diseases)

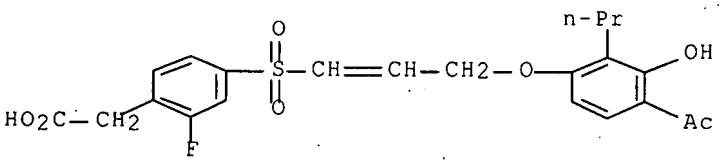
RN 91361-69-2 HCAPLUS

CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]sulfonyl]-2-fluoro- (9CI) (CA INDEX NAME)



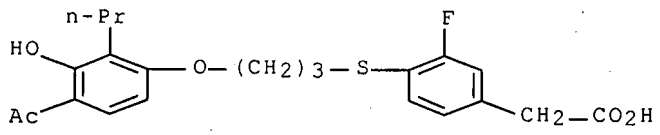
RN 91361-70-5 HCAPLUS

CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-1-propenyl]sulfonyl]-2-fluoro- (9CI) (CA INDEX NAME)



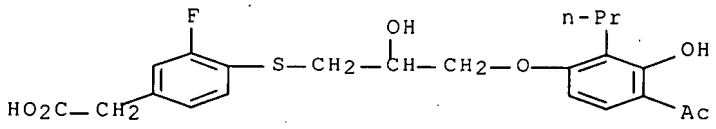
RN 91361-75-0 HCAPLUS

CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]thio]-3-fluoro- (9CI) (CA INDEX NAME)

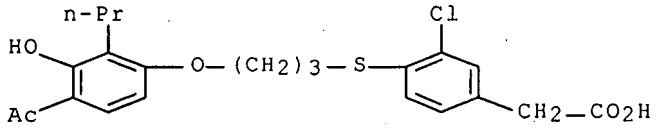


RN 91361-77-2 HCAPLUS

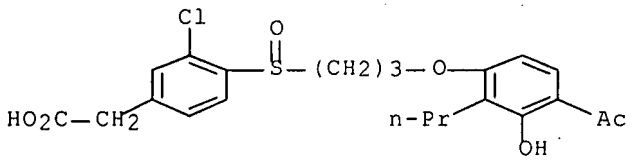
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]-3-fluoro- (9CI) (CA INDEX NAME)



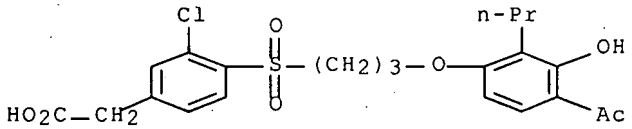
RN 91361-81-8 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]thio]-3-chloro- (9CI) (CA INDEX NAME)



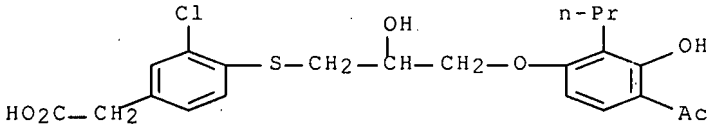
RN 91361-83-0 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]sulfinyl]-3-chloro- (9CI) (CA INDEX NAME)



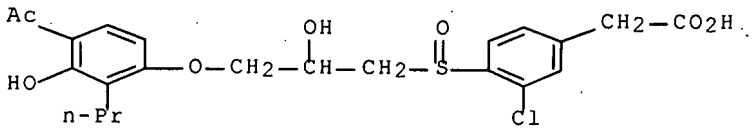
RN 91361-85-2 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]sulfonyl]-3-chloro- (9CI) (CA INDEX NAME)



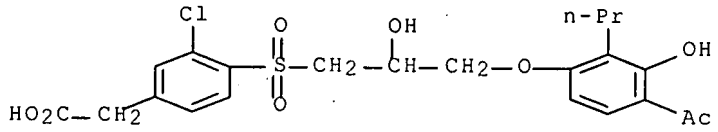
RN 91361-87-4 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]-3-chloro- (9CI) (CA INDEX NAME)



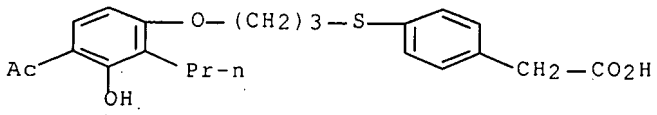
RN 91361-89-6 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]sulfinyl]-3-chloro- (9CI) (CA INDEX NAME)



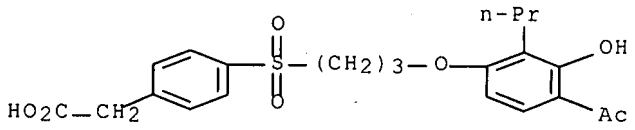
RN 91361-91-0 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]sulfonyl]-3-chloro- (9CI) (CA INDEX NAME)



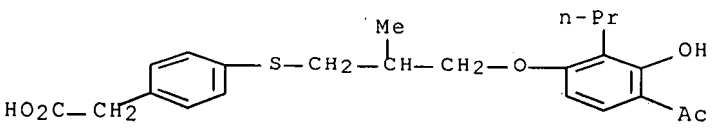
RN 91361-94-3 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]thio]- (9CI) (CA INDEX NAME)



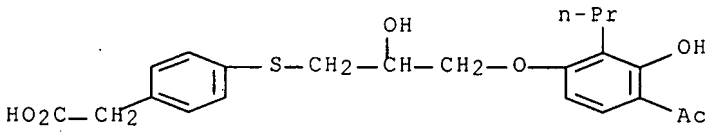
RN 91361-96-5 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]sulfonyl]- (9CI) (CA INDEX NAME)



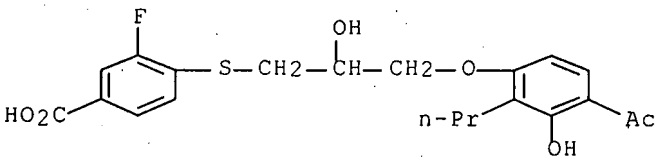
RN 91361-99-8 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-methylpropyl]thio]- (9CI) (CA INDEX NAME)



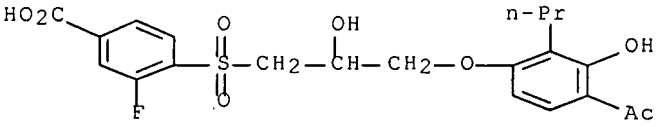
RN 91362-01-5 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]- (9CI) (CA INDEX NAME)



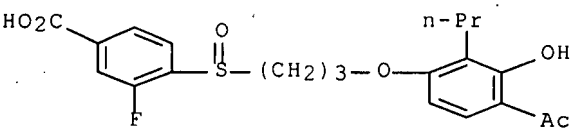
RN 91362-05-9 HCAPLUS
CN Benzoic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]-3-fluoro- (9CI) (CA INDEX NAME)



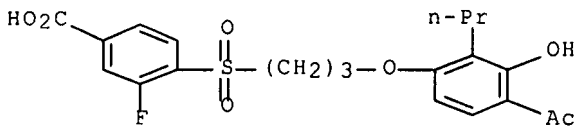
RN 91362-09-3 HCAPLUS
CN Benzoic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]sulfonyl]-3-fluoro- (9CI) (CA INDEX NAME)



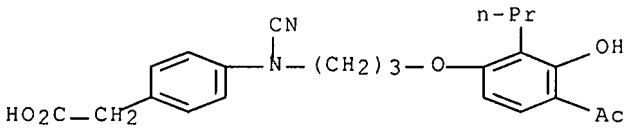
RN 91362-13-9 HCAPLUS
CN Benzoic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]sulfinyl]-3-fluoro- (9CI) (CA INDEX NAME)



RN 91362-15-1 HCAPLUS
CN Benzoic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]sulfonyl]-3-fluoro- (9CI) (CA INDEX NAME)



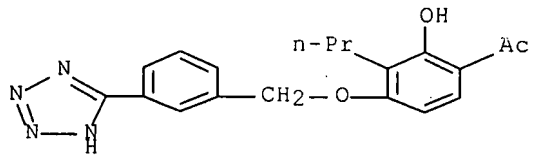
RN 91362-18-4 HCAPLUS
CN Benzeneacetic acid, 4-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]cyanoamino]- (9CI) (CA INDEX NAME)



L93 ANSWER 17 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 18
ACCESSION NUMBER: 1987:496724 HCAPLUS Full-text
DOCUMENT NUMBER: 107:96724
TITLE: Tetrazolylalkoxyphenols as allergy inhibitors and cardiovascular agents
INVENTOR(S): Carson, Matthew; LeMahieu, Ronald A.
PATENT ASSIGNEE(S): Hoffmann-La Roche, Inc., USA
SOURCE: U.S., 17 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4663332	A	19870505	US 1985-786386	19851010 <--
PRIORITY APPLN. INFO.:			US 1985-786386	19851010 <--

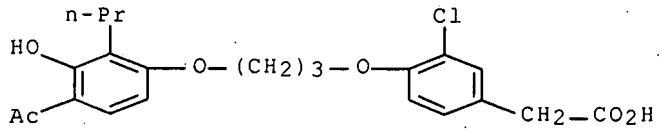
OTHER SOURCE(S): CASREACT 107:96724; MARPAT 107:96724
ED Entered STN: 19 Sep 1987
AB The title compds. [I; R1 = H, halo; R2 = H, alkanoyl; R3 = H, alkyl; A = O(CH2)nB, OCH2C6H4B; B = Q1, Q2; Het = 3- or 4-pyridyl; n = 3-8; m = 1-6] were prepared as allergy inhibitors and as cardiovascular agents. 1-[2-Hydroxy-3-propyl-4-[4-(1H-tetrazol-5-yl)butoxy]phenyl]ethanone, 3-(3-bromopropyl)pyridine·HCl, Et3N, Me2CO, and DMF were stirred for 5 h to give phenoxybutyltetrazolylpropylpyridine II and its 2-(pyridinylpropyl)tetrazolyl isomer. 1 Mg II/kg i.v. inhibited by 99% PAF-induced guinea pig bronchoconstriction. Tablets were prepared containing II 100, lactose 30, starch 6, microcryst. cellulose 30, and Mg stearate 1 mg.
IT **109914-47-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and alkylation of, by (bromopropyl)pyridine derivative)
RN 109914-47-8 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[3-(1H-tetrazol-5-yl)phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



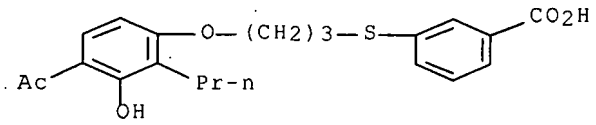
L93 ANSWER 10 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 11
ACCESSION NUMBER: 1997:184435 HCAPLUS Full-text
DOCUMENT NUMBER: 126:185890
TITLE: Derivatives of 4-alkoxy-3-propyl-2-hydroxyacetophenone with antiinflammatory and antiasthmatic activity.
INVENTOR(S): Kuchar, Miroslav; Culikova, Katerina; Brunova, Bohumila; Anderova, Eva; Svorcova, Marie; Lapka, Roman
PATENT ASSIGNEE(S): Galena, Czech Rep.
SOURCE: Czech Rep., 17 pp.
CODEN: CZXXED
DOCUMENT TYPE: Patent
LANGUAGE: Czech
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CZ 281130	B6	19960612	CZ 1993-1214	19930618 <--
PRIORITY APPLN. INFO.:			CZ 1993-1214	19930618 <--

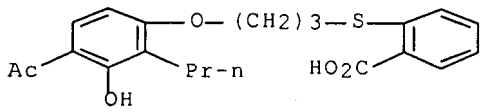
OTHER SOURCE(S): CASREACT 126:185890; MARPAT 126:185890
ED Entered STN: 20 Mar 1997
AB Title compds. I are disclosed [wherein Y = O, S; Q = CH2CO2R or CO2R; R = H, C1-3 alkyl, cation of an alkali metal or an organic base; when P = H or halo, Z = (CH2)2-4; when P = H, Z may also = CH2CH(OH)CH2]. Twenty synthetic examples of I and their intermediates are given, plus the results of several bioassays of selected I. For instance, thioetherification of 4-(3-chloropropoxy)-3-propyl-2-hydroxyacetophenone with 3-mercaptobenzoic acid in 2-butanone in the presence of K2CO3 and KI gave 73% title compound II. The IC50 of II for inhibition of 5-lipoxygenase was 1.20 μM in vitro. Several I inhibited LTD4-induced bronchospasm in guinea pigs with an activity comparable to the known standard LY 171,883.
IT **94973-60-1P**, [4-[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)propoxy]-3-chlorophenyl]acetic acid **187341-76-0P**, 3-[[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)propyl]thio]benzoic acid **187341-77-1P**, 2-[[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)propyl]thio]benzoic acid **187341-79-3P**, 2-[[2-(4-Acetyl-3-hydroxy-2-propylphenoxy)ethyl]thio]benzoic acid **187341-80-6P**, 2-[[4-(4-Acetyl-3-hydroxy-2-propylphenoxy)butyl]thio]benzoic acid **187341-81-7P**, 3-[[4-(4-Acetyl-3-hydroxy-2-propylphenoxy)butyl]thio]benzoic acid **187341-85-1P**, [4-[4-(4-Acetyl-3-hydroxy-2-propylphenoxy)butoxy]phenyl]acetic acid **187341-86-2P**, [4-[4-(4-Acetyl-3-hydroxy-2-propylphenoxy)butoxy]-3-chlorophenyl]acetic acid **187341-87-3P**, [4-[2-(4-Acetyl-3-hydroxy-2-propylphenoxy)ethoxy]-3-chlorophenyl]acetic acid **187341-88-4P**, [4-[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)propoxy]phenyl]acetic acid **187341-89-5P**, 2-[[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]benzoic acid **187341-90-8P**, 3-[[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]benzoic acid
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of alkoxypropylhydroxyacetophenone derivs. as antiinflammatories and antiasthmatics)
RN 94973-60-1 HCAPLUS
CN Benzeneacetic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-3-chloro- (9CI) (CA INDEX NAME)



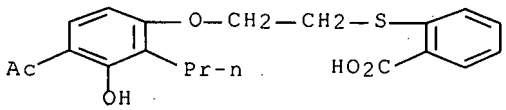
RN 187341-76-0 HCAPLUS
CN Benzoic acid, 3-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]thio]- (9CI) (CA INDEX NAME)



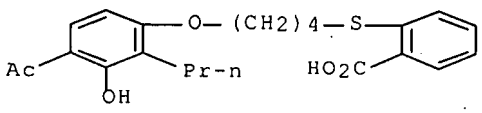
RN 187341-77-1 HCAPLUS
CN Benzoic acid, 2-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propyl]thio]- (9CI) (CA INDEX NAME)



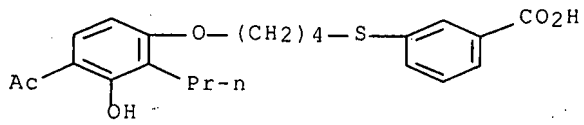
RN 187341-79-3 HCAPLUS
CN Benzoic acid, 2-[[2-(4-acetyl-3-hydroxy-2-propylphenoxy)ethyl]thio]- (9CI) (CA INDEX NAME)



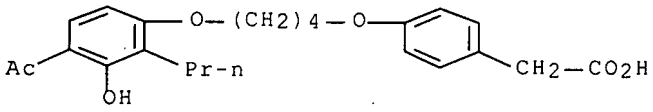
RN 187341-80-6 HCAPLUS
CN Benzoic acid, 2-[[4-(4-acetyl-3-hydroxy-2-propylphenoxy)butyl]thio]- (9CI) (CA INDEX NAME)



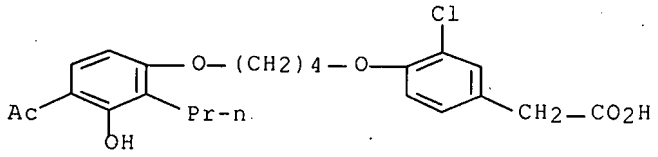
RN 187341-81-7 HCAPLUS
CN Benzoic acid, 3-[[4-(4-acetyl-3-hydroxy-2-propylphenoxy)butyl]thio]- (9CI) (CA INDEX NAME)



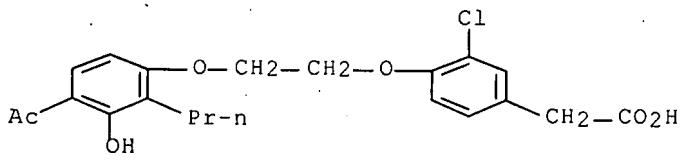
RN 187341-85-1 HCAPLUS
CN Benzeneacetic acid, 4-[4-(4-acetyl-3-hydroxy-2-propylphenoxy)butoxy]- (9CI) (CA INDEX NAME)



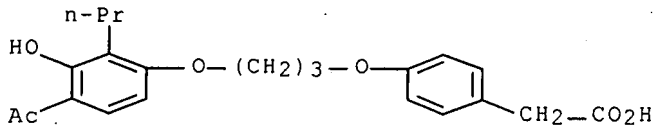
RN 187341-86-2 HCAPLUS
CN Benzeneacetic acid, 4-[4-(4-acetyl-3-hydroxy-2-propylphenoxy)butoxy]-3-chloro- (9CI) (CA INDEX NAME)



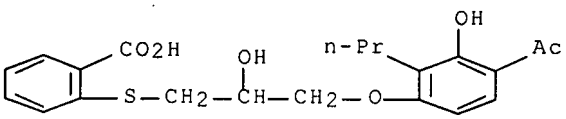
RN 187341-87-3 HCAPLUS
CN Benzeneacetic acid, 4-[2-(4-acetyl-3-hydroxy-2-propylphenoxy)ethoxy]-3-chloro- (9CI) (CA INDEX NAME)



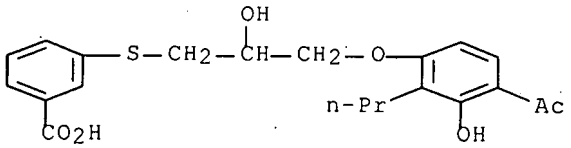
RN 187341-88-4 HCAPLUS
CN Benzeneacetic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]- (9CI) (CA INDEX NAME)



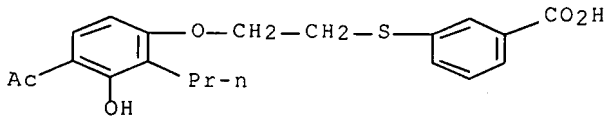
RN 187341-89-5 HCAPLUS
CN Benzoic acid, 2-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]- (9CI) (CA INDEX NAME)



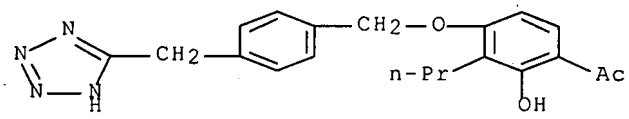
RN 187341-90-8 HCAPLUS
CN Benzoic acid, 3-[[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropyl]thio]- (9CI) (CA INDEX NAME)



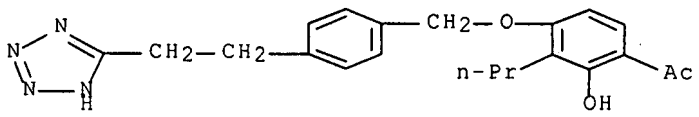
IT **187341-92-0**, 3-[[2-(4-Acetyl-3-hydroxy-2-propylphenoxy)ethyl]thio]benzoic acid
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(preparation of alkoxypropylhydroxyacetophenone derivs. as antiinflammatories and antiasthmatics)
RN 187341-92-0 HCAPLUS
CN Benzoic acid, 3-[[2-(4-acetyl-3-hydroxy-2-propylphenoxy)ethyl]thio]- (9CI) (CA INDEX NAME)



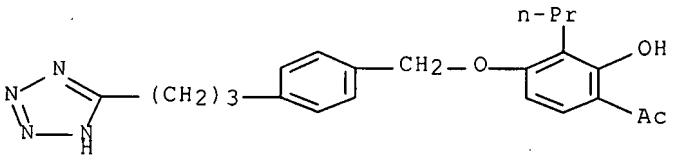
L93 ANSWER 9 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 10
ACCESSION NUMBER: 1997:739153 HCAPLUS Full-text
DOCUMENT NUMBER: 128:70373
TITLE: Monoclonal antibodies as surrogate receptors in a high throughput screen for compounds that enhance insulin sensitivity
AUTHOR(S): Bright, Stuart W.; Gold, Gerald; Sage, Scott W.; Sportsman, J. Richard; Tinsley, Frank C.; Dominianni, Samuel J.; Schmiegel, Klaus K.; Kellam, Marcia L.; Fitch, Lora L.; Yen, Terence T.
CORPORATE SOURCE: Lilly Research Laboratories, Eli Lilly and Company, Indianapolis, IN, 46285, USA
SOURCE: Life Sciences (1997), 61(23), 2305-2315
CODEN: LIFSAK; ISSN: 0024-3205
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 24 Nov 1997
AB Monoclonal antibodies (MoAbs) were made to a known insulin sensitivity enhancer (ISE) compound, CS-045. The MoAbs were characterized with respect to binding other known thiazolidinedione ISE compds. using a CS-045 labeled with b-phycoerythrin in a competitive particle concentration fluorescence immunoassay (PCFIA). By comparing the rank order of IC50 values for each compound to its resp. potency as an ISE, one MoAb (13E3) was selected for further characterization. This MoAb was also used as a surrogate receptor in a high throughput screen to identify novel compds. that compete for binding to CS-045. Some of the hits were found to have efficacy in reducing blood glucose. Subsequently, another group reported that several compds. with the core thiazolidinedione structure of the ISE compds. bound with high affinity to peroxisome proliferator-activating receptors (PPAR). Therefore, the authors used the MoAb assay to test these and other compds. that are known to bind to PPARγ and noted crossreactivity with some of the compds.
IT 95928-70-4 95928-73-7 95928-74-8
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(monoclonal antibodies as surrogate receptors in high throughput screen for insulin sensitivity enhancers in relation to hypoglycemic activity and binding to peroxisome proliferator-activating receptors)
RN 95928-70-4 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[4-(1H-tetrazol-5-ylmethyl)phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 95928-73-7 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[4-[2-(1H-tetrazol-5-yl)ethyl]phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



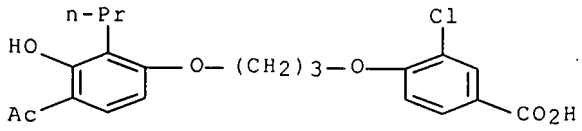
RN 95928-74-8 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[4-[3-(1H-tetrazol-5-yl)propyl]phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



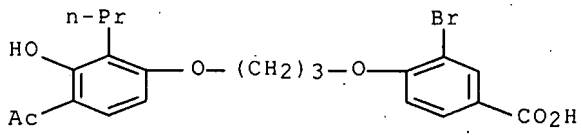
L93 ANSWER 22 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 23
ACCESSION NUMBER: 1986:533529 HCAPLUS Full-text
DOCUMENT NUMBER: 105:133529
TITLE: Benzoic acid analogs
INVENTOR(S): Nohara, Akira; Maki, Yoshitaka
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 180416	A2	19860507	EP 1985-307685		19851024 <--
EP 180416	A3	19861120			
R: AT, BE, CG, DE, FR, GB, IT, LI, LU, NL, SE					
JP 61129153	A	19860617	JP 1985-213579		19850925 <--
PRIORITY APPLN. INFO.:			JP 1984-U521	U	19841030 <--
			JP 1985-213579	A	19850925 <--
			WO 1984-JP521	A	19841030 <--

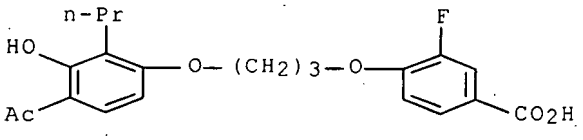
OTHER SOURCE(S): CASREACT 105:133529; MARPAT 105:133529
ED Entered STN: 18 Oct 1986
AB The title compds. (I; R1, R2 = H, alkyl; NR1R2 = 5- or 6-membered heterocycle; X = halo; n = 2-4), useful as inflammation inhibitors and antiasthmatics, are prepared by esterification of II with Z(CH2)nNR1R2 (Z = OH, sulfonyloxy, halo) at 15-80° in the presence of a proton acceptor. Thus, 2 g II (X = 3-Br; 1-CO2H) and SOCl2 were refluxed in CHCl3 to form the acid chloride, which was treated with 0.4 g HO(CH2)2NMe2 in the presence of Et3N to give 2.1 g I.HCl (X = 3-Br; n = 2; R1 = R2 = Me; 1-CO2H), which had ID50 of 49 μmol/kg (orally) against LTD4-induced bronchial contraction in Hartley strain guinea pigs when administered 1 h prior to LTD4 dosing.
IT 87820-78-8 87820-79-9 103888-33-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(esterification of, with alkanolamines and their derivs., benzoate esters from)
RN 87820-78-8 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-3-chloro- (9CI) (CA INDEX NAME)



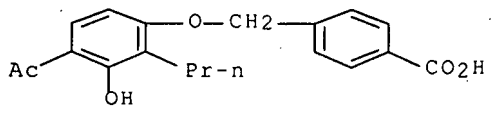
RN 87820-79-9 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-3-bromo- (9CI) (CA INDEX NAME)



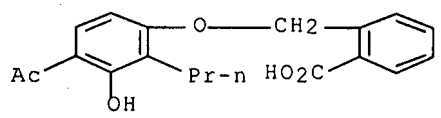
RN 103888-33-1 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-3-fluoro- (9CI) (CA INDEX NAME)



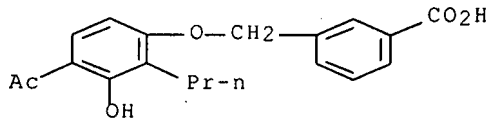
L93 ANSWER 14 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 15
ACCESSION NUMBER: 1989:172814 HCAPLUS Full-text
DOCUMENT NUMBER: 110:172814
TITLE: Hydroxyacetophenone-derived antagonists of the peptidoleukotrienes
AUTHOR(S): Brown, Frederick J.; Bernstein, Peter R.; Cronk, Laura A.; Dosset, David L.; Hebbel, Kevin C.; Maduskuie, Thomas P., Jr.; Shapiro, Howard S.; Vacek, Edward P.; Yee, Ying K.; et al.
CORPORATE SOURCE: Dep. Med. Chem., ICI Pharm. Group, Wilmington, DE, 19897, USA
SOURCE: Journal of Medicinal Chemistry (1989), 32(4), 807-26
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 110:172814
ED Entered STN: 12 May 1989
AB Considerations of the possible similarities between leukotriene D4 and its prototypical antagonist, FPL 55712, led to the development of a new series of leukotriene antagonists incorporating a hydroxyacetophenone group. Although considerable attention has focused on FPL 55712-derived analogs, only limited investigations into alternatives for the standard 4-acetyl-3-hydroxy-2-propylphenoxy moiety have been reported. Therefore, an extensive study of modifications to the hydroxyacetophenone portion of toluic acid I (R = Ac, R1 = CO2H) was undertaken. Although no viable alternative to the 3-hydroxy moiety was discovered, replacements for the 2-Pr group ,e.g., I (R = Ac, R1 = PhCH2, CH2CMe:CH2) and the 4-acetyl functionality ,e.g., I (R = CO2Me, CO2Et, R1 = Pr) yielded potent antagonists. A number of compds. exhibited longer duration of action in vivo than FPL 55712.
IT 87807-96-3P 87807-98-5P 87808-00-2P
87808-02-4P 87808-04-6P 87808-06-8P
87808-16-0P 87808-18-2P 87808-19-3P
87808-22-8P 87808-30-8P 87808-34-2P
107223-63-2P 118682-99-8P 118683-00-4P
118683-01-5P 118683-02-6P 118683-03-7P
118683-04-8P 118683-05-9P 118683-06-0P
118683-07-1P 118683-08-2P 118683-09-3P
118683-10-6P 118683-11-7P 118683-13-9P
118683-18-4P 118683-19-5P 118683-21-9P
118683-25-3P 118683-26-4P 118683-27-5P
118683-55-9P 118683-56-0P 118683-66-2P
118683-67-3P 118683-68-4P 118683-73-1P
118683-75-3P 118683-77-5P 118683-84-4P
118713-63-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and peptidoleukotriene antagonist activity of)
RN 87807-96-3 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]- (9CI) (CA INDEX NAME)



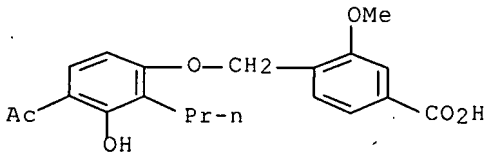
RN 87807-98-5 HCAPLUS
CN Benzoic acid, 2-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]- (9CI) (CA INDEX NAME)



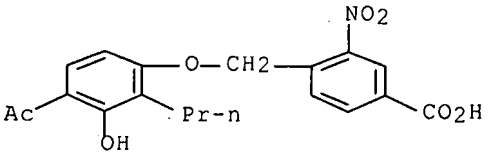
RN 87808-00-2 HCAPLUS
CN Benzoic acid, 3-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]- (9CI) (CA INDEX NAME)



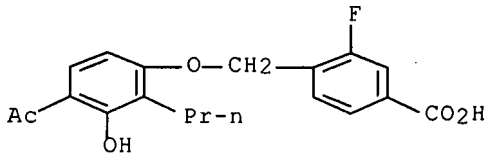
RN 87808-02-4 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-3-methoxy- (9CI) (CA INDEX NAME)



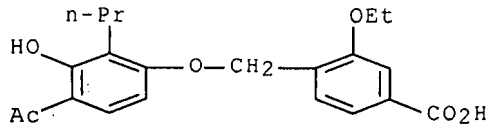
RN 87808-04-6 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-3-nitro- (9CI) (CA INDEX NAME)



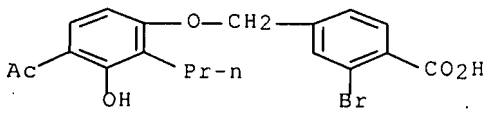
RN 87808-06-8 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-3-fluoro- (9CI) (CA INDEX NAME)



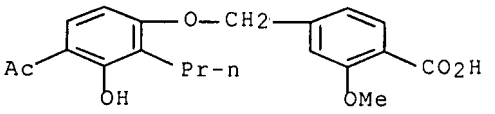
RN 87808-16-0 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-3-ethoxy- (9CI) (CA INDEX NAME)



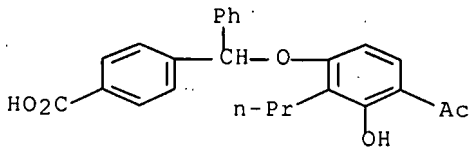
RN 87808-18-2 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-2-bromo- (9CI) (CA INDEX NAME)



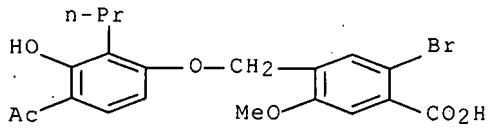
RN 87808-19-3 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-2-methoxy- (9CI) (CA INDEX NAME)



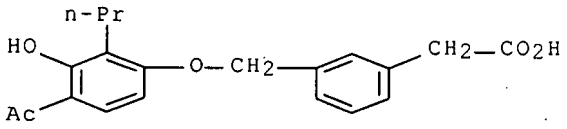
RN 87808-22-8 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)phenylmethyl]- (9CI) (CA INDEX NAME)



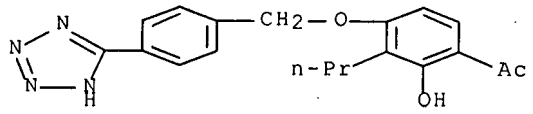
RN 87808-30-8 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-2-bromo-5-methoxy- (9CI) (CA INDEX NAME)



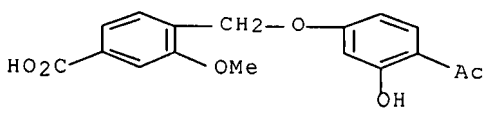
RN 87808-34-2 HCAPLUS
CN Benzeneacetic acid, 3-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]- (9CI) (CA INDEX NAME)

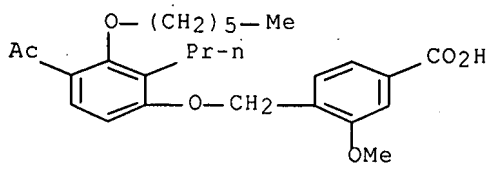


RN 107223-63-2 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[4-(1H-tetrazol-5-yl)phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)

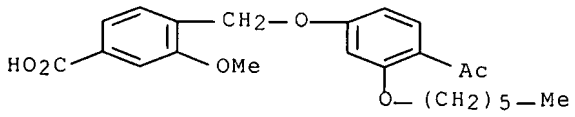


RN 118682-99-8 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxyphenoxy)methyl]-3-methoxy- (9CI) (CA INDEX NAME)

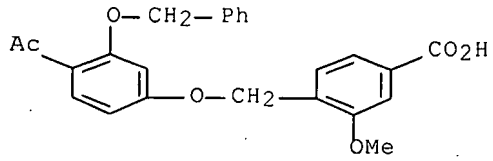




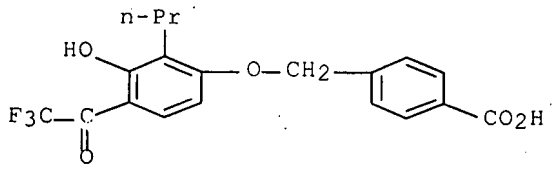
RN 118683-18-4 HCAPLUS
CN Benzoic acid, 4-[[4-acetyl-3-(hexyloxy)phenoxy]methyl]-3-methoxy- (9CI) (CA INDEX NAME)



RN 118683-19-5 HCAPLUS
CN Benzoic acid, 4-[[4-acetyl-3-(phenylmethoxy)phenoxy]methyl]-3-methoxy- (9CI) (CA INDEX NAME)

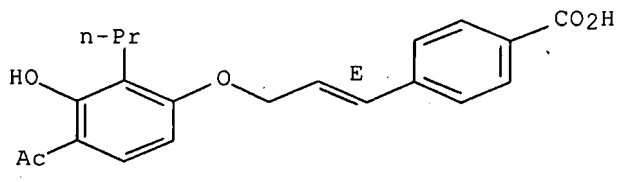


RN 118683-21-9 HCAPLUS
CN Benzoic acid, 4-[[3-hydroxy-2-propyl-4-(trifluoroacetyl)phenoxy]methyl]- (9CI) (CA INDEX NAME)

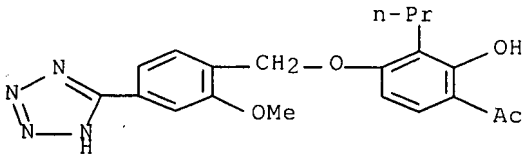


RN 118683-25-3 HCAPLUS
CN Benzoic acid, 4-[[3-hydroxy-4-(1-oxopropyl)-2-propylphenoxy]methyl]-3-methoxy- (9CI) (CA INDEX NAME)

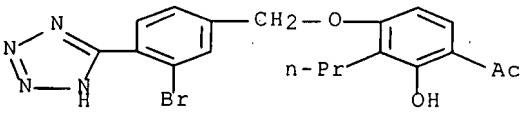
Double bond geometry as shown.



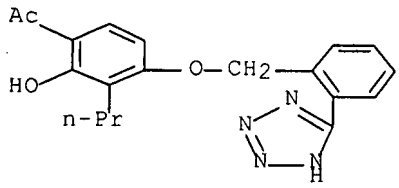
RN 118683-66-2 HCAPLUS
CN Ethanone, 1-[2-hydroxy-4-[[2-methoxy-4-(1H-tetrazol-5-yl)phenyl]methoxy]-3-propylphenyl]- (9CI) (CA INDEX NAME)



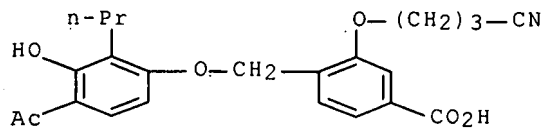
RN 118683-67-3 HCAPLUS
CN Ethanone, 1-[4-[[3-bromo-4-(1H-tetrazol-5-yl)phenyl]methoxy]-2-hydroxy-3-propylphenyl]- (9CI) (CA INDEX NAME)



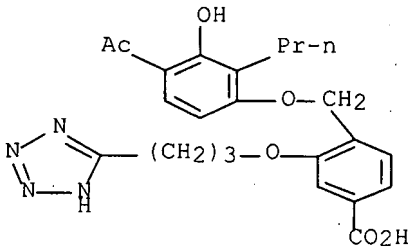
RN 118683-68-4 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[2-(1H-tetrazol-5-yl)phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



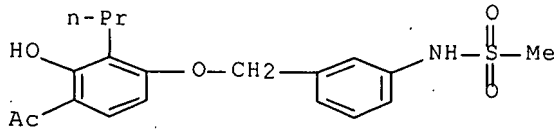
RN 118683-73-1 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-3-(3-cyanopropoxy)- (9CI) (CA INDEX NAME)



RN 118683-75-3 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-3-[3-(1H-tetrazol-5-yl)propoxy]- (9CI) (CA INDEX NAME)

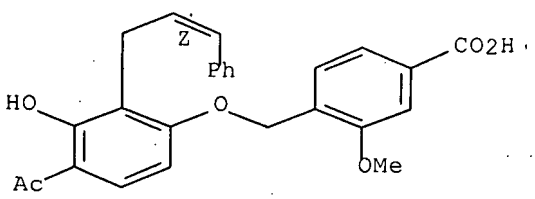


RN 118683-77-5 HCAPLUS
CN Methanesulfonamide, N-[3-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]phenyl]- (9CI) (CA INDEX NAME)



RN 118683-84-4 HCAPLUS
CN Benzoic acid, 4-[[4-acetyl-3-hydroxy-2-(3-phenyl-2-propenyl)phenoxy]methyl]-3-methoxy-, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

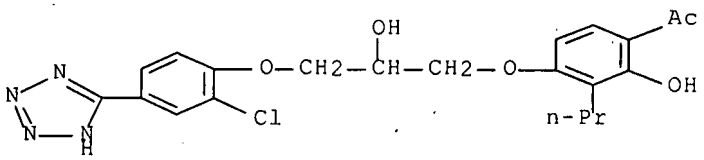


RN 118713-63-6 HCAPLUS

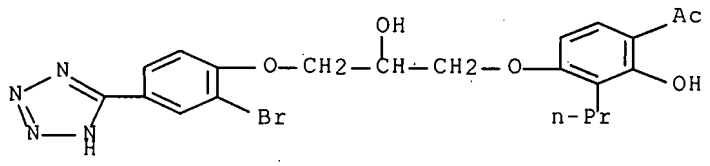
L93 ANSWER 15 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 16
ACCESSION NUMBER: 1987:617632 HCAPLUS Full-text
DOCUMENT NUMBER: 107:217632
TITLE: Preparation of tetrazolylphenoxypropoxyacetophenone derivatives as antiasthmatics and antiinflammatories
INVENTOR(S): Nohara, Akira; Maki, Yoshitaka
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd. , Japan
SOURCE: U.S., 10 pp. Division of U.S. 4,567,201.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 4672073	A	19870609	US 1985-795103		19851105 <--
JP 59076038	A	19840428	JP 1982-186361		19821022 <--
US 4567201	A	19860128	US 1982-440297		19821109 <--
PRIORITY APPLN. INFO.:			JP 1982-186361	A	19821022 <--
			US 1982-440297	A3	19821109 <--
			JP 1982-189812	A	19821125 <--
			JP 1981-189812	A	19811125 <--

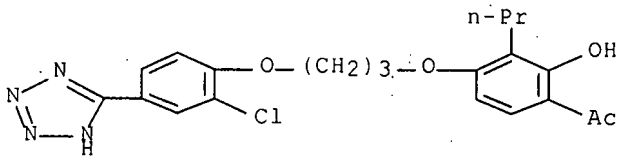
OTHER SOURCE(S): CASREACT 107:217632
ED Entered STN: 12 Dec 1987
AB The title compds. (I; R1 = H, OH; R2 = halo; R3 = tetrazolyl, carboxy) were prepared as antiasthmatic and antiinflammatories. Epoxypropyloxybenzonitrile derivative II (500 mg) was heated with 612 mg 4,2-ClCNC6H3OH in DMF containing Triton B at 170° for 1.5 h to give I (R1 = OH R2 = Cl, R3 = CN) which (760 mg) was heated with NaN3 and NH4Cl in DMF at 180° for 1 h to give 640 mg I (R1 = OH, R2 = Cl, R3 = 5-tetrazolyl) (III). III inhibited leukotriene induced contraction of guinea pig ileum with an IC50 of 4.1 + 10-9M.
IT **87820-73-3P** **87820-74-4P** **87820-75-5P** **87820-77-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antiasthmatic and antiinflammatory)
RN 87820-73-3 HCAPLUS
CN Ethanone, 1-[4-[3-[2-chloro-4-(1H-tetrazol-5-yl)phenoxy]-2-hydroxypropoxy]-2-hydroxy-3-propylphenyl]- (9CI) (CA INDEX NAME)



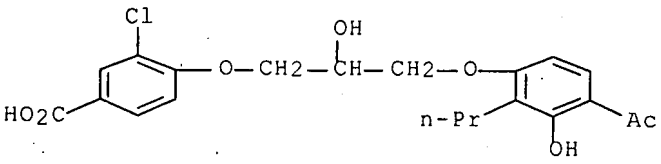
RN 87820-74-4 HCAPLUS
CN Ethanone, 1-[4-[3-[2-bromo-4-(1H-tetrazol-5-yl)phenoxy]-2-hydroxypropoxy]-2-hydroxy-3-propylphenyl]- (9CI) (CA INDEX NAME)



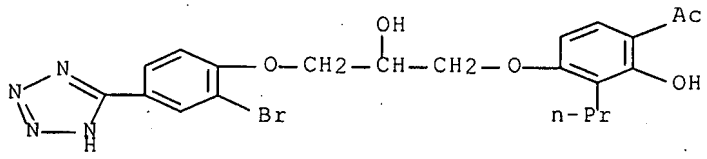
RN 87820-75-5 HCAPLUS
CN Ethanone, 1-[4-[3-[2-chloro-4-(1H-tetrazol-5-yl)phenoxy]propoxy]-2-hydroxy-3-propylphenyl]- (9CI) (CA INDEX NAME)



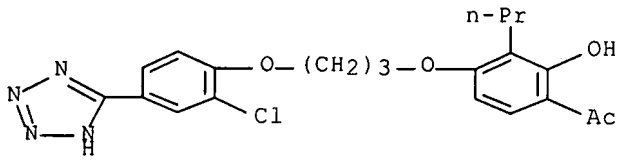
RN 87820-77-7 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropoxy]-3-chloro- (9CI) (CA INDEX NAME)



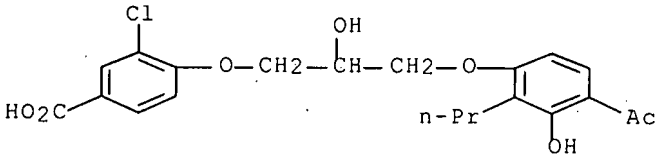
IT **87820-74-4P** **87820-75-5P** **87820-77-7P**
87820-78-8P **87820-79-9P** **87820-81-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as antiinflammatory and antiasthmatic)
RN 87820-74-4 HCAPLUS
CN Ethanone, 1-[4-[3-[2-bromo-4-(1H-tetrazol-5-yl)phenoxy]-2-hydroxypropoxy]-2-hydroxy-3-propylphenyl]- (9CI) (CA INDEX NAME)



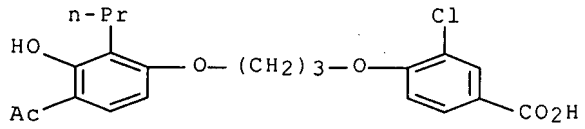
RN 87820-75-5 HCAPLUS
CN Ethanone, 1-[4-[3-[2-chloro-4-(1H-tetrazol-5-yl)phenoxy]propoxy]-2-hydroxy-3-propylphenyl]- (9CI) (CA INDEX NAME)



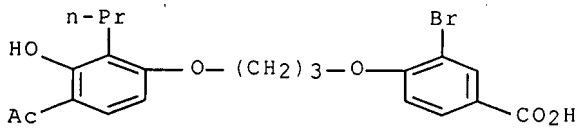
RN 87820-77-7 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropoxy]-3-chloro- (9CI) (CA INDEX NAME)



RN 87820-78-8 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-3-chloro- (9CI) (CA INDEX NAME)



RN 87820-79-9 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-3-bromo- (9CI) (CA INDEX NAME)

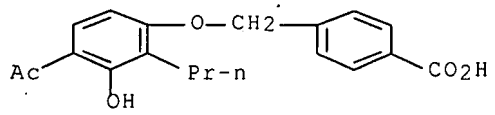


RN 87820-81-3 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropoxy]-3-bromo- (9CI) (CA INDEX NAME)

L93 ANSWER 16 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 17
ACCESSION NUMBER: 1987:496440 HCAPLUS Full-text
DOCUMENT NUMBER: 107:96440
TITLE: Preparation of derivatives of 4-acetyl-3-hydroxy-2-alkyl-phenoxycarboxylic acids as allergy inhibitors and cardiovascular agent
INVENTOR(S): Carson, Matthew; Han, Ru Jen L.; LeMahieu, Ronald A.
PATENT ASSIGNEE(S): Hoffmann-La Roche, Inc., USA
SOURCE: U.S., 26 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

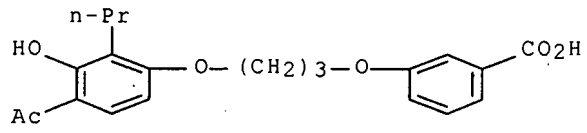
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4672066	A	19870609	US 1985-725602	19850422 <--
PRIORITY APPLN. INFO.:			US 1985-725602	19850422 <--

OTHER SOURCE(S): CASREACT 107:96440; MARPAT 107:96440
ED Entered STN: 19 Sep 1987
AB Title compds. (I; R = H, alkyl; R1 = 3-pyridinyl, 4-pyridinyl, 3-pyridinyloxy, 3-pyridinylthio, 5-pyridinyl, imidazol-1-yl; R2 = H, alkoxy; A = CONH, CO2, NHCONH; Y = alkylene; Z = alkylene, Q1, Q2, (CH2)3C.tplbond.C, CH2C.tplbond.C(CH2)3; n = 1-3) were prepared as allergy inhibitors and cardiovascular agents. 6-(4-Acetyl-3-hydroxy-2- propylphenoxy)hexanoic acid was stirred with (PhO)2P(O)N3 and Et3N in DMF at 5° for 1.5 h followed by addition of 3-(aminobutyl)pyridine. Stirring was continued for 3 h at 5° and 16 h at 25° to give 75% I [R = Pr, R1 = 3-pyridyl, A = CONH, Y = (CH2)4, Z = (CH2)5] (II). In the guinea pig ileum model II antagonized SRS-A with an IC50 of 6 μM. Capsules were prepared containing II 100, lactose 99, cornstarch 20, talc 5, and Mg stearate 1 mg.
IT 87807-96-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(amidation of, by aminobutylpyridine derivative)
RN 87807-96-3 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]- (9CI) (CA INDEX NAME)

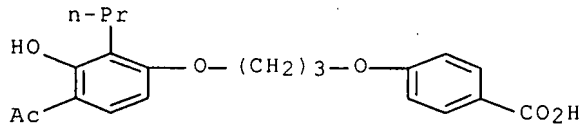


IT 79558-01-3P 79558-05-7P 87807-98-5P 87808-00-2P 110016-88-1P 110016-90-5P 110016-92-7P 110016-94-9P 110016-96-1P 110017-00-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and amidation of, by aminobutylpyridine derivative)
RN 79558-01-3 HCAPLUS
CN Benzoic acid, 3-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]- (9CI)

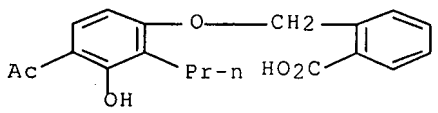
(CA INDEX NAME)



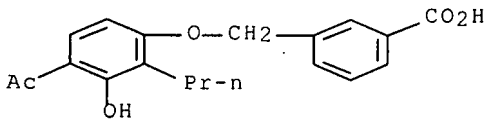
RN 79558-05-7 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]- (9CI) (CA INDEX NAME)



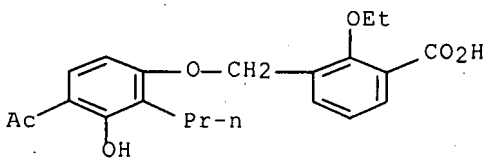
RN 87807-98-5 HCAPLUS
CN Benzoic acid, 2-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]- (9CI) (CA INDEX NAME)



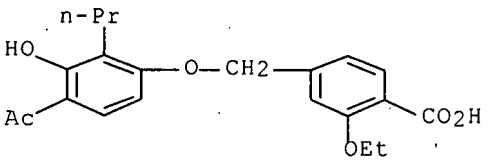
RN 87808-00-2 HCAPLUS
CN Benzoic acid, 3-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]- (9CI) (CA INDEX NAME)



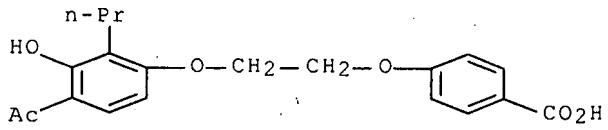
RN 110016-88-1 HCAPLUS
CN Benzoic acid, 3-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-2-ethoxy- (9CI) (CA INDEX NAME)



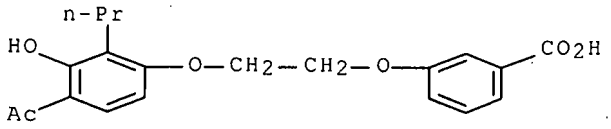
RN 110016-90-5 HCAPLUS
CN Benzoic acid, 4-[(4-acetyl-3-hydroxy-2-propylphenoxy)methyl]-2-ethoxy- (9CI) (CA INDEX NAME)



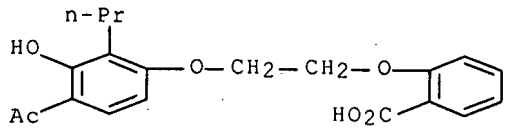
RN 110016-92-7 HCAPLUS
CN Benzoic acid, 4-[2-(4-acetyl-3-hydroxy-2-propylphenoxy)ethoxy]- (9CI) (CA INDEX NAME)



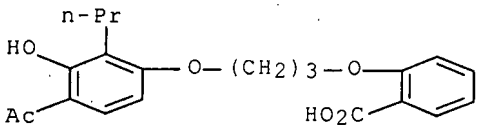
RN 110016-94-9 HCAPLUS
CN Benzoic acid, 3-[2-(4-acetyl-3-hydroxy-2-propylphenoxy)ethoxy]- (9CI) (CA INDEX NAME)



RN 110016-96-1 HCAPLUS
CN Benzoic acid, 2-[2-(4-acetyl-3-hydroxy-2-propylphenoxy)ethoxy]- (9CI) (CA INDEX NAME)



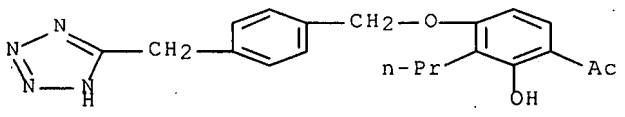
RN 110017-00-0 HCAPLUS
CN Benzoic acid, 2-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]- (9CI) (CA INDEX NAME)



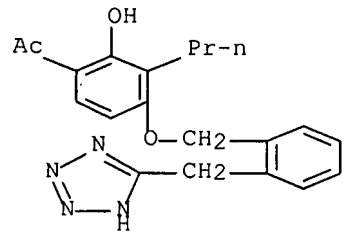
L93 ANSWER 24 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 25
ACCESSION NUMBER: 1985:166756 HCAPLUS Full-text
DOCUMENT NUMBER: 102:166756
TITLE: Pharmaceutical ethanone compounds
INVENTOR(S): Steggles, David James; Verge, John Pomfret
PATENT ASSIGNEE(S): Lilly Industries Ltd., UK
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 132124	A1	19850123	EP 1984-304759		19840712 <--
EP 132124	B1	19870923			
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
FI 8402724	A	19850114	FI 1984-2724		19840706 <--
ZA 8405299	A	19850227	ZA 1984-5299		19840710 <--
IL 72363	A	19871231	IL 1984-72363		19840710 <--
HU 37920	A2	19860328	HU 1984-2707		19840711 <--
HU 192056	B	19870528			
CA 1222517	A1	19870602	CA 1984-458592		19840711 <--
US 4675334	A	19870623	US 1984-629647		19840711 <--
SU 1340585	A3	19870923	SU 1984-3770848		19840711 <--
PL 143372	B1	19880229	PL 1984-248668		19840711 <--
DK 8403436	A	19850114	DK 1984-3436		19840712 <--
AU 8430526	A	19850117	AU 1984-30526		19840712 <--
GB 2143817	A	19850220	GB 1984-17753		19840712 <--
GB 2143817	B	19870423			
JP 60038351	A	19850227	JP 1984-145208		19840712 <--
ES 534269	A1	19850916	ES 1984-534269		19840712 <--
AT 29878	T	19871015	AT 1984-304759		19840712 <--
PRIORITY APPLN. INFO.:			GB 1983-18889	A	19830713 <--
			EP 1984-304759	A	19840712 <--

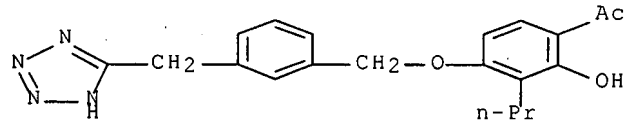
OTHER SOURCE(S): CASREACT 102:166756; MARPAT 102:166756
ED Entered STN: 18 May 1985
AB Ph benzyl ethers I [R-R2 = H, OH, alkyl, alkylcarbonyl, halogen; R3, R4 = H, alkyl, (un)substituted Ph; R5 = 1H-tetrazol-5-yl, cyano; Z = alkylene, (un)substituted phenylalkylene; n = 0, 1], useful as leukotriene antagonists (no data) were prepared Thus, 1-(2,4-dihydroxy-3- propylphenyl)ethanone was treated with α,α'-dibromo-p-xylene to give phenylethanone II (R6 = Br), which was treated with KCN to give II (R6 = cyano). The latter compound was treated with NaN3 in presence of NH4Cl to give II (R6 = 1H-tetrazol-5-yl).
IT **95928-70-4P** **95928-71-5P** **95928-72-6P**
95928-73-7P **95928-74-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 95928-70-4 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[4-(1H-tetrazol-5-ylmethyl)phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



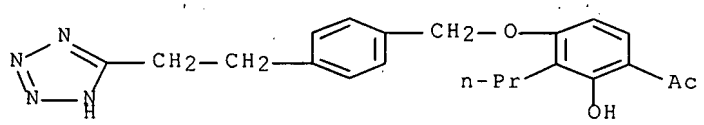
RN 95928-71-5 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[2-(1H-tetrazol-5-ylmethyl)phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



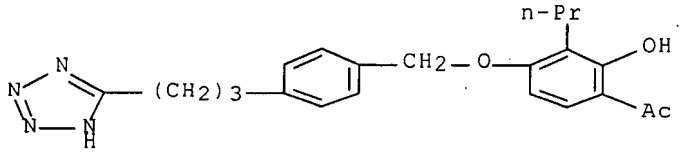
RN 95928-72-6 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[3-(1H-tetrazol-5-ylmethyl)phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 95928-73-7 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[4-[2-(1H-tetrazol-5-yl)ethyl]phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



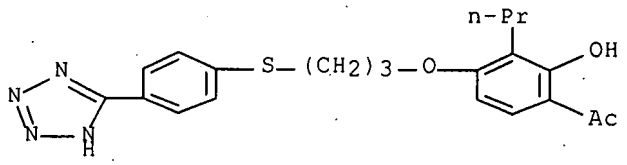
RN 95928-74-8 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[4-[3-(1H-tetrazol-5-yl)propyl]phenyl]methoxy]phenyl]- (9CI) (CA INDEX NAME)



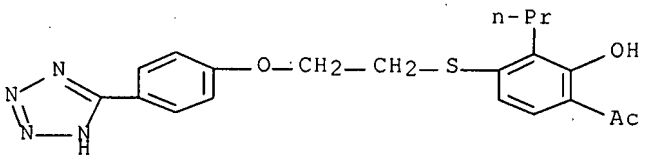
L93 ANSWER 25 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 26
ACCESSION NUMBER: 1985:62239 HCAPLUS Full-text
DOCUMENT NUMBER: 102:62239
TITLE: Organic compounds and their pharmaceutical use
INVENTOR(S): Goldsworthy, John; Marshall, Winston Stanley; Verge, John Pomfret
PATENT ASSIGNEE(S): Lilly Industries Ltd., UK
SOURCE: Brit. UK Pat. Appl., 8 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2128999	A	19840510	GB 1983-28106	19831020 <--
GB 2128999	B	19860702		
FI 8303770	A	19840422	FI 1983-3770	19831017 <--
ES 526528	A1	19850516	ES 1983-526528	19831017 <--
AU 8320257	A	19840503	AU 1983-20257	19831018 <--
ZA 8307749	A	19841128	ZA 1983-7749	19831018 <--
RO 87690	B3	19850930	RO 1983-112359	19831018 <--
SU 1277892	A3	19861215	SU 1983-3656355	19831018 <--
HU 34458	A2	19850328	HU 1983-3615	19831019 <--
HU 187928	B	19860328		
US 4595540	A	19860617	US 1983-543196	19831019 <--
PL 139497	B1	19870131	PL 1983-244215	19831019 <--
DK 8304829	A	19840422	DK 1983-4829	19831020 <--
JP 59093041	A	19840529	JP 1983-196925	19831020 <--
EP 110541	A1	19840613	EP 1983-306378	19831020 <--
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
DD 212254	A5	19840808	DD 1983-255824	19831020 <--
CA 1202632	A1	19860401	CA 1983-439422	19831020 <--
CS 255856	B2	19880315	CS 1983-7733	19831020 <--
US 4740514	A	19880426	US 1986-866663	19860527 <--
PRIORITY APPLN. INFO.:			GB 1982-30076 A	19821021 <--
			US 1983-543196 A3	19831019 <--

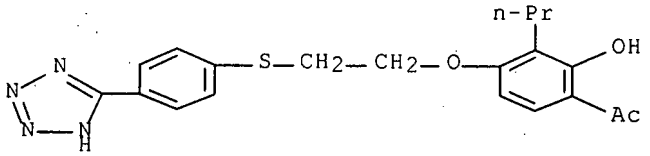
OTHER SOURCE(S): CASREACT 102:62239; MARPAT 102:62239
ED Entered STN: 24 Feb 1985
AB Substituted acylphenols I (R = H, alkyl; R1 = H, alkyl, alkenyl; R2 = XR3, cyano, thiocyano; R3 = 1H-tetrazol-5-yl; X = bond, S, SO, SO2; X1, X2 = O, S, SO, SO2; n = 2-6), leukotriene inhibitors (no data) were prepared Thus 4-NCC6H4SH was alkylated with Br(CH2)3Cl to give 4-NCC6H4S(CH2)3Cl, which reacted with 2,4,3-(HO)2PrC6H2Ac to give 4,3,2-Ac(HO)PrC6H2O(CH2)3SC6H4CN- 4. Cyclization of the last with NaN3 gave (phenoxypropylthiophenyl)tetraz ole II.
IT **93498-70-5P** **93498-77-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and oxidation of)
RN 93498-70-5 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[3-[[4-(1H-tetrazol-5-yl)phenyl]thio]propoxy]phenyl]- (9CI) (CA INDEX NAME)



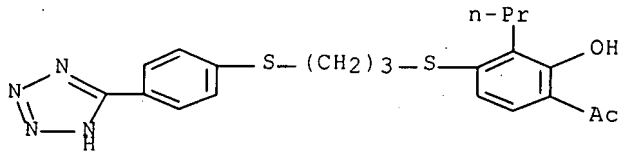
RN 93498-77-2 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[2-[4-(1H-tetrazol-5-yl)phenoxy]ethyl]thio]phenyl]- (9CI) (CA INDEX NAME)



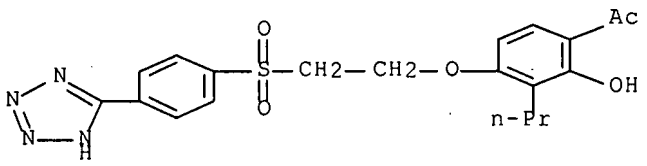
IT **93498-72-7P 93498-79-4P 93498-80-7P 93498-81-8P 93498-82-9P 93498-83-0P 93498-84-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 93498-72-7 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[2-[[4-(1H-tetrazol-5-yl)phenyl]thio]ethoxy]phenyl]- (9CI) (CA INDEX NAME)



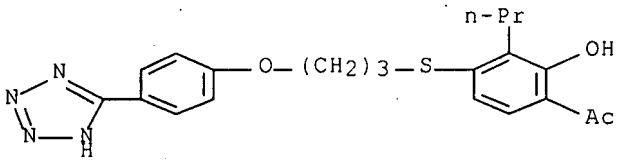
RN 93498-79-4 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[3-[[4-(1H-tetrazol-5-yl)phenyl]thio]propyl]thio]phenyl]- (9CI) (CA INDEX NAME)



RN 93498-80-7 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[3-[[4-(1H-tetrazol-5-



IT **93498-75-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation oxidation of)
RN 93498-75-0 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[[3-[4-(1H-tetrazol-5-yl)phenoxy]propyl]thio]phenyl]- (9CI) (CA INDEX NAME)



L93 ANSWER 26 OF 115 HCAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 27
ACCESSION NUMBER: 1982:51977 HCAPLUS Full-text
DOCUMENT NUMBER: 96:51977
TITLE: Phenoxyalkoxyphenyl derivatives
INVENTOR(S): Oxford, Alexander William; Ellis, Frank
PATENT ASSIGNEE(S): Glaxo Group Ltd., UK
SOURCE: Brit. UK Pat. Appl., 18 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

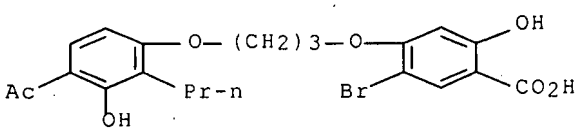
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
GB 2058785	A	19810415	GB 1980-28552		19800904	<--
GB 2058785	B	19830525				
DK 8003777	A	19810306	DK 1980-3777		19800904	<--
FI 8002783	A	19810306	FI 1980-2783		19800904	<--
AU 8062047	A	19810312	AU 1980-62047		19800904	<--
AU 543739	B2	19850502				
JP 56049336	A	19810502	JP 1980-122899		19800904	<--
ES 494769	A1	19810716	ES 1980-494769		19800904	<--
ZA 8005478	A	19810930	ZA 1980-5478		19800904	<--
ES 501436	A1	19820216	ES 1981-501436		19810415	<--
ES 501437	A1	19820401	ES 1981-501437		19810415	<--
PRIORITY APPLN. INFO.:			GB 1979-30849	A	19790905	<--

OTHER SOURCE(S): CASREACT 96:51977
ED Entered STN: 12 May 1984

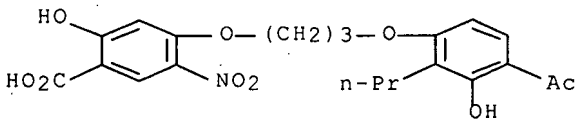
AB The title compds. I [R = R6, Z1R6, OZ1R6 (R6 = CO2H, 5-1H-tetrazolyl, N-5-1H-tetrazolecarboxamido; Z1 = C1-4 alkylene, C2-4 alkenylene, or C2-4 alkynylene optionally substituted (o.s.) by ≥1 C1-3 alkyl); R1 = H, C1-6 alkyl; R2 = HCO, aroyl, o.s. C1-6 alkyl; R3 = C1-6 alkyl, C3-6 alkenyl; R4, R5 = H, halo, OH, C1-3 alkoxy, C1-6 alkyl, C3-6 alkenyl, C1-3 alkanoyl, NO2, CO2H; Z = saturated or unsatd. C1-10 carbon chain o.s. by OH and ≥1 C6H4 groups] were prepared I are potent antagonists of slow reacting substances of anaphylaxis and may be useful in treating hay fever, asthma, and skin afflictions (no data). E.g., NaH was stirred 15 min at 25° with 3-HOC6H4CO2Me in DMF, and the mixture was treated by addition of NaI and 1-[4-(3-chloropropoxy)-2-hydroxy-3-propylphenyl]ethanone and heated 3 h at 110° to give I [R = CO2Me-3, R1 = R4 = R5 = H, R2 = COMe, R3 = Pr, Z = (CH2)3] which was saponified to the corresponding acid by refluxing 20 min in 0.33N aqueous NaOH. Compns. containing I are described.

IT 79557-91-8P 79557-93-0P 79558-01-3P
79558-04-6P 79558-05-7P 79558-06-8P
79558-13-7P 79558-14-8P 79558-28-4P
79558-34-2P 79558-37-5P 79558-39-7P
79558-42-2P 79558-43-3P 79558-45-5P
79558-46-6P 79558-47-7P 79558-51-3P
79558-53-5P 79558-57-9P 79558-60-4P
79558-61-5P 79558-62-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as anaphylactic antagonist)

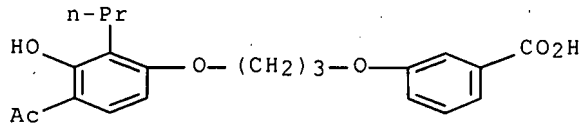
RN 79557-91-8 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-5-bromo-2-hydroxy- (9CI) (CA INDEX NAME)



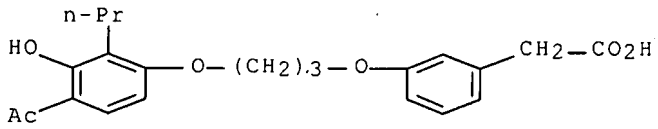
RN 79557-93-0 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-2-hydroxy-5-nitro- (9CI) (CA INDEX NAME)



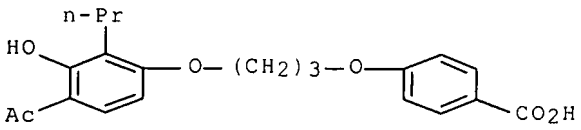
RN 79558-01-3 HCAPLUS
CN Benzoic acid, 3-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]- (9CI) (CA INDEX NAME)



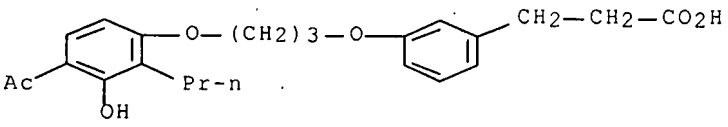
RN 79558-04-6 HCAPLUS
CN Benzeneacetic acid, 3-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]- (9CI) (CA INDEX NAME)



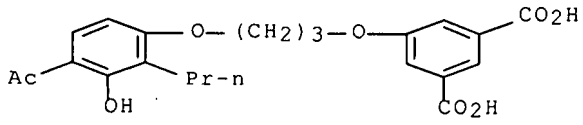
RN 79558-05-7 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]- (9CI) (CA INDEX NAME)



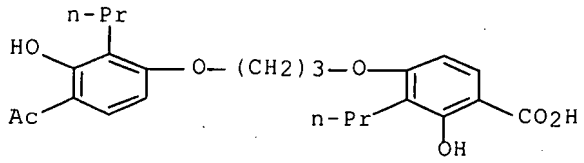
RN 79558-06-8 HCAPLUS
CN Benzenepropanoic acid, 3-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]- (9CI) (CA INDEX NAME)



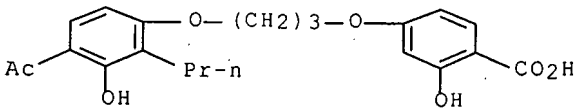
RN 79558-13-7 HCAPLUS
CN 1,3-Benzenedicarboxylic acid, 5-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]- (9CI) (CA INDEX NAME)



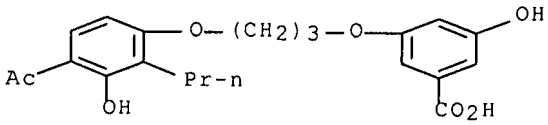
RN 79558-14-8 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-2-hydroxy-3-propyl- (9CI) (CA INDEX NAME)



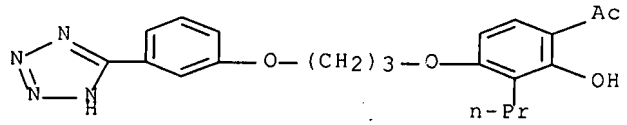
RN 79558-28-4 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-2-hydroxy- (9CI) (CA INDEX NAME)



RN 79558-34-2 HCAPLUS
CN Benzoic acid, 3-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-5-hydroxy- (9CI) (CA INDEX NAME)



RN 79558-37-5 HCAPLUS
CN Ethanone, 1-[2-hydroxy-3-propyl-4-[3-[3-(1H-tetrazol-5-yl)phenoxy]propoxy]phenyl]- (9CI) (CA INDEX NAME)



RN 79558-39-7 HCAPLUS
CN Benzoic acid, 4-[3-(4-acetyl-3-hydroxy-2-propylphenoxy)propoxy]-2-hydroxy-3-(2-propenyl)- (9CI) (CA INDEX NAME)

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ACCESSION NUMBER: 1966:447469 HCAPLUS Full-text
DOCUMENT NUMBER: 65:47469
ORIGINAL REFERENCE NO.: 65:8822h,8823a-h,8824a-h,8825a,8826a
TITLE: β-Aminoacylphenoxy- and βaminoacylphenylthio-derivatives of monocarboxylic acids
INVENTOR(S): Schultz, Everett M.; Sprague, James M.
SOURCE: 23 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

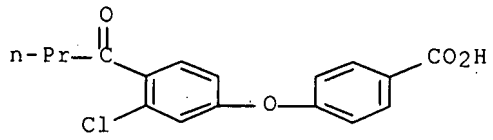
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3251064		19660510	US 1962-237288	19611206 <--
PRIORITY APPLN. INFO.:			US	19611206 <--

ED Entered STN: 22 Apr 2001

AB Title compds. (I), which possess diuretic, natriuretic, and chloruretic properties, were prepared by condensation of acylphenoxyacetic acids (II)or acylphenylthioacetic acids (III) with secondary amines and HCHO. Acyl phenols (IV) were prepared by acylation of anisoles, by Fries rearrangements of Ph esters, or by hydrolysis of appropriate diazonium compds. Condensation of IV with Et α-halo-carboxylates in the presence of a base gave II. Thus, to a mixture of 38.8 g. 2,3-dichloroanisole and 25 g. cyclopentaneacetyl chloride in 250 ml. CS2 was added 46.6 g. AlCl3. After 5 hrs. at 50-60° the CS2 was distilled, and 200 ml. heptane and 26.67 g. AlCl3 added. After 2 hrs. on a steam bath the mixture was worked up to obtain 28 g. 2',3'-dichloro-4'-hydroxy-1-cyclopentaneacetophenone (V), m. 86-8°. A solution of 0.1 mole V in 60 ml. glyme was added to 0.1 mole NaH in 40 ml. glyme. BrCH2CO2Et (0.11 mole) was added during 25 min. and the mixture refluxed 1 hr. to give a 76% yield of 4-(cyclopentylacetyl)-2,3- di-chlorophenoxyacetic acid, m. 127-8°. Compds. in the 1st table were prepared similarly. Condensation of phenoxyalkanoic or phenylthioalkanoic acids with acyl halides in the presence of AlCl3 in CS2 solvent also gave II and III. Thus, to a mixture of 216 g. AlCl3 in 400 ml. CS2 was added 93.29 g. 3-ClC6H4CH2CO2H followed by 57.8 g. EtCOCl during 0.5 hrs. at 22-6°. After 1 hr. at room temperature and 3 hrs. at 50°, the mixture was worked up to obtain 77.5 g. 3-chloro-4-propionylphenoxyacetic acid, m. 107.5-109°. Similarly were prepared the II in the 2nd table. A mixture of 5.12 g. 3-chloro-4- butyrylphenoxyacetic acid, 0.7 g. paraformaldehyde, 1.78 g. Me2NH.HCl and 4 drops HOAc was warmed on a steam bath 1.5 hrs. with occasional application of slight vacuum for 1-min. intervals. The crude mixture was triturated with Me2CO to recover 3-chloro-4-[g- (dimethylaminomethyl)butyryl]phenoxyacetic acid hydrochloride, m. 127-9°. Other I were prepared similarly from II where Y2N.HCl = Me2N.HCl and A = 0 as shown in the 3rd table. Condensation of II or III with other amine hydrochlorides gave the Ia in the 4th table.

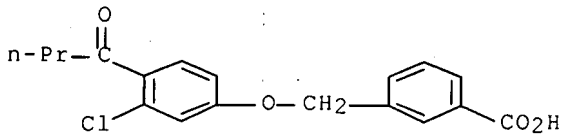
IT **1160-52-7P**, Benzoic acid, p-(4-butyryl-3-chlorophenoxy)-
1163-60-6P, m-Toluic acid, α-(4-butyryl-3-chlorophenoxy)-
1164-19-8P, p-Toluic acid, α-(4-butyryl-3-chlorophenoxy)-
1234-31-7P, p-Toluic acid, α-(3-chloro-4-propionylphenoxy)-
RL: PREP (Preparation)
(preparation of)

RN 1160-52-7 HCAPLUS
CN Benzoic acid, p-(4-butyryl-3-chlorophenoxy)- (7CI, 8CI) (CA INDEX NAME)



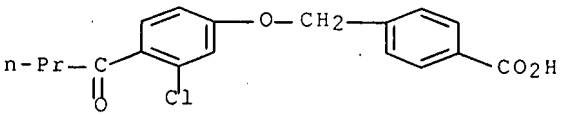
RN 1163-60-6 HCAPLUS

CN m-Toluic acid, α-(4-butyryl-3-chlorophenoxy)- (7CI, 8CI) (CA INDEX NAME)



RN 1164-19-8 HCAPLUS

CN p-Toluic acid, α-(4-butyryl-3-chlorophenoxy)- (7CI, 8CI) (CA INDEX NAME)



RN 1234-31-7 HCAPLUS

CN p-Toluic acid, α-(3-chloro-4-propionylphenoxy)- (7CI, 8CI) (CA INDEX NAME)